

PUMP CONTROL DIAGRAM

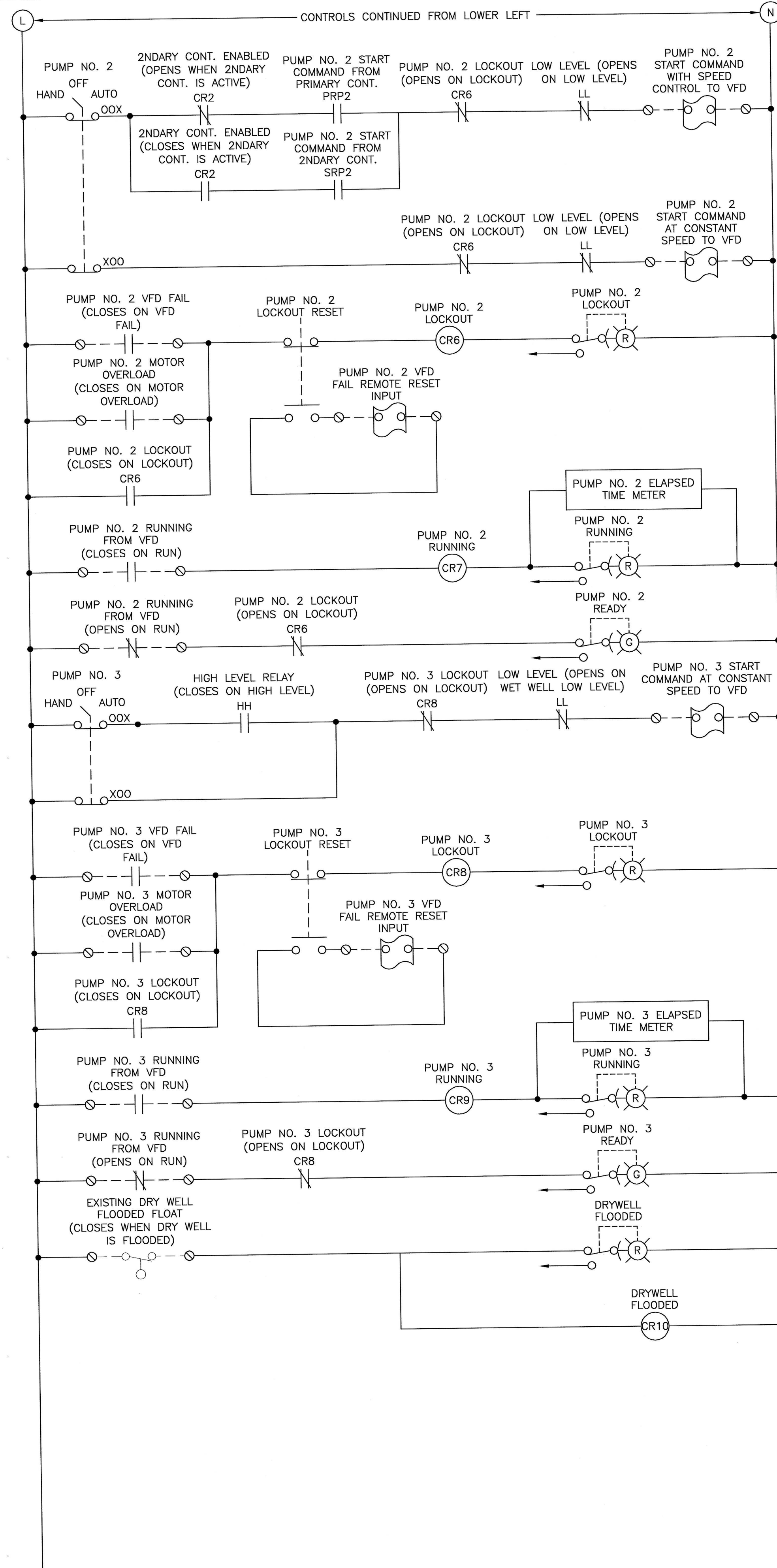
SCALE: NOT TO SCALE

SUMMARY / NOTES

ENABLES CONTROLLER REDUNDANCY TEST MODE. SECONDARY CONTROLLER BECOMES ACTIVE UNLESS THE HIGH LEVEL FLOAT IS ACTIVATED

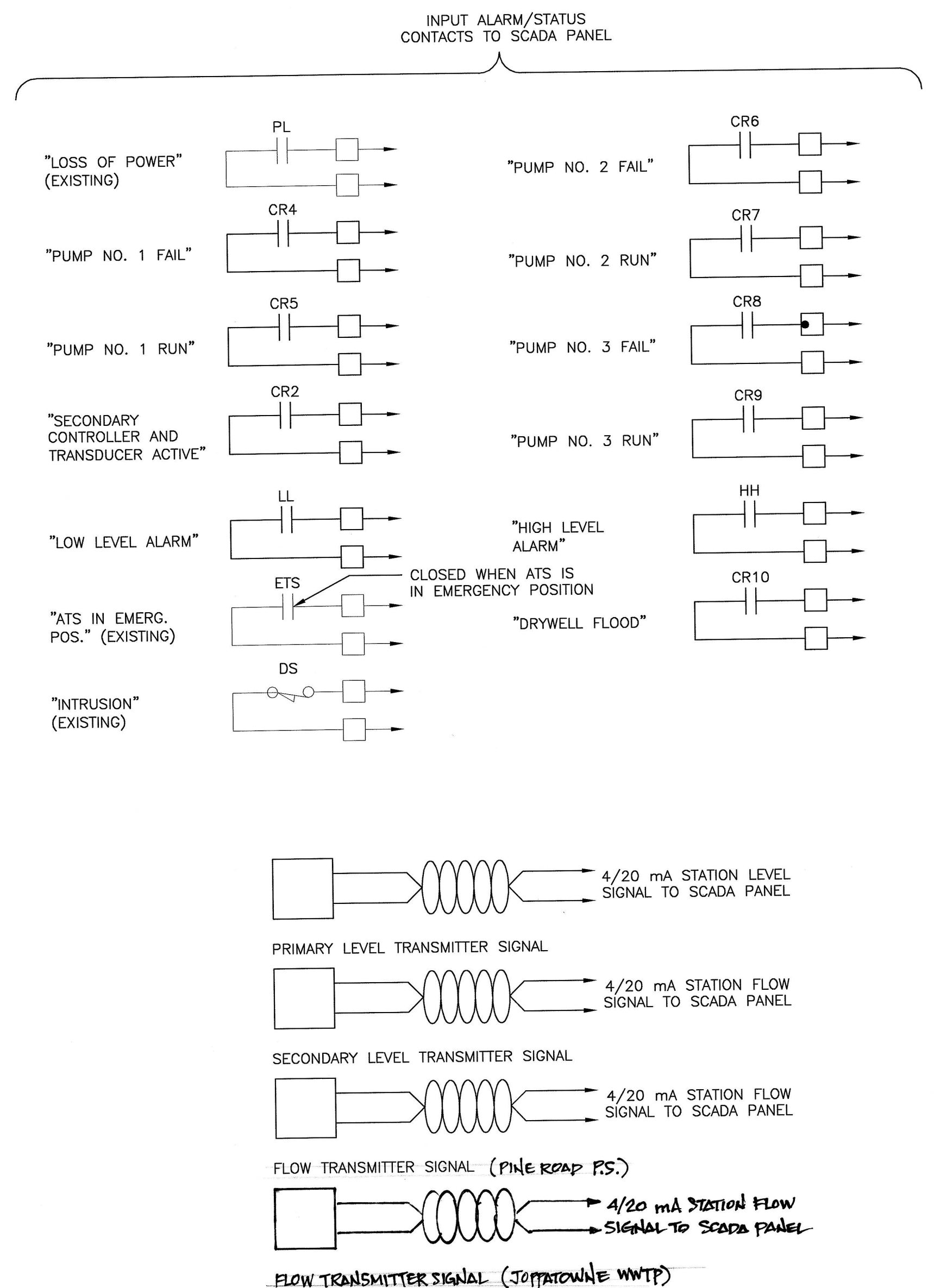
SECONDARY CONTROLLER BECOMES ACTIVE IF TEST MODE IS ACTIVATED OR IS THE TRANSDUCER / CONTROLLER TRANSFER FLOAT IS ACTIVATED. IF TEST MODE IS ACTIVE AND THE HIGH LEVEL FLOAT IS ACTIVATED SECONDARY CONTROLLER IS ASSUMED DEFECTIVE AND SWITCHES BACK TO PRIMARY CONTROLLER; THIS OVERRIDE IS ONLY ACTIVE IN TEST MODE.

RE-ENABLES PRIMARY CONTROLLER IF TEST MODE IS ACTIVE AND HIGH LEVEL FLOAT IS ACTIVATED. THIS IS DEACTIVATED WHEN TEST MODE IS DEACTIVATED



GENERAL SHEET NOTES:

1. CONTRACTOR SHALL COORDINATE WITH OWNER FOR WIRE TERMINATIONS TO EX. SCADA PANEL.
2. PANEL LAYOUT INDICATES REQUIRED PANEL INFORMATION. THE CONTRACTOR SHALL COORDINATE WITH EQUIPMENT MANUFACTURER TO DEVELOP CONTROL PANEL AND PANEL LAYOUT BASED ON PURCHASED INSTRUMENTS AND SUBMIT PANEL FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
3. CONTRACTOR IS RESPONSIBLE FOR WIRING ALL ELECTRICAL COMPONENTS AND PROVIDE CONNECTIONS TO THE EXISTING PLANT SCADA SYSTEM. THE OWNER IS RESPONSIBLE FOR PROGRAMMING AND CONFIGURATION OF THE EX. SCADA SYSTEM.
4. INSTALL PER MANUFACTURER RECOMMENDATIONS.



"PROFESSIONAL CERTIFICATION, I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 30767, EXPIRATION DATE 6/28/16."



E-4

ENGINEER

DESIGNED: CM

TRACED: MH

CHECKED: BA

SCALE

NONE

TAX MAP

64&65

ADC MAP NO.

4583

ADC GRID

4D

SHEET

9

NO.

10

OF

10

JOB NO.

HARFORD COUNTY
MARYLAND

DEPUTY DIRECTOR, DIVISION OF WATER AND SEWER

ELECTION DISTRICT FIRST

JOPPATOWNE PUMP STATION No. 47
FACILITY IMPROVEMENTS
PUMP CONTROL DIAGRAMS

HARFORD COUNTY, MARYLAND

SEWER CONTRACT NO. 6679